

10/506542

DT Rec'd PCT/PTO 03 SEP 2004

Customer No. 22,852

Attorney Docket No.: 05788.0319

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

**Marco ROMAGNOLI et al.**

Application No.: **Not Yet Assigned**

Filed: **September 3, 2004**

National Stage of International Application No.  
**PCT/EP02/02465** under 35 U.S.C. 371, for  
**DEVICE FOR BENDING AN OPTICAL  
BEAM, IN PARTICULAR IN AN OPTICAL  
INTEGRATED CIRCUIT**

Group Art Unit: **Not Yet Assigned**

Examiner: **Not Yet Assigned**

**MAIL STOP PCT APPLICATION**  
**Commissioner for Patents**  
**P.O. Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§1.56 and 1.97(b), applicants bring to the Examiner's attention the documents listed on attached Form PTO-1449 and cited in the international search report. With exception of the U.S. patents, copies of the listed documents are attached. Applicants respectfully request that the Examiner consider the documents listed on attached Form PTO-1449 and indicate that they were considered by making an appropriate notation on this form. This Information Disclosure Statement is being filed with the above-referenced application.

Also, enclosed is an English-language international search report from the European Patent Office in the PCT international application, from which this national phase U.S. application is derived.


This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents. Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 06-0916.

Respectfully submitted,

FINNEGAN, HENDERSON, FARABOW,  
GARRETT & DUNNER, L.L.P.

Dated: September 3, 2004

By:   
Ernest F. Chapman  
Reg. No. 25,961

Enclosures  
EFC/FPD/sci

**INFORMATION DISCLOSURE CITATION**

OMB No. 0651-0011

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Atty. Docket No. <b>05788.0319</b>	Application No. <b>Not Yet Assigned</b>	<b>10/506542</b>
Applicants <b>Marco ROMAGNOLI et al.</b>		
Filing Date <b>September 3, 2004</b>	Group: <b>Not Yet Assigned</b>	

U.S. PATENT DOCUMENTS							
Examiner Initial*		Document Number	Issue/Pub. Date	Name	Class	Sub Class	Filing Date If Appropriate
		5,526,449	06/11/96	MEADE et al.			
		6,134,369	10/17/00	KUROSAWA			
		6,064,511	05/16/00	FORTMANN et al.			
		6,198,860 B1	03/06/01	JOHNSON et al.			
		6,317,554 B1	11/13/01	KOSAKA et al.			

FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No
		EP 0 764 861 A2/A3	03/26/97	EUROPE			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	KOSAKA, H. et al.; "Photonic-Crystal Spot-Size Converter"; Applied Physics Letters, Vol. 76, No. 3, pages 268-270, (January 17, 2000).
	JOANNOPOULOS; J. D., "The Almost-Magical World Of Photonic Crystals"; Brazilian Journal of Physics, Vol. 26, No. 1, pages 58-67, (March 1996).
	ARETZ, K. et al.; "Reduction Of Crosstalk And Losses Of Intersecting Waveguide"; Electronics Letters, IEE Stevenage, GB, Vol. 25, No. 11, pages 730-731, (May 25, 1989).
	KOSAKA, H. et al.; "Self-Collimating Phenomena In Photonic Crystals"; Applied Physics Letters, Vol. 74, No. 9, pages 1212-1214, (March 1, 1999).
	ROMANOV, S. G. et al.; "Photonic Band-Gap Effects Upon The Light Emission From A Dye-Polymer-Opal Composite"; Applied Physics Letters, Vol. 75, No. 8, pages 1057-1059, (August 23, 1999).
	ETCHEGOIN, P. et al.; "Photon Focusing, Internal Diffraction, And Surface States In Periodic Dielectric Structures"; Physical Review, B Vol. 53, No. 19, pages 12674-12683, (May 15, 1996).

Examiner	Date Considered
<p>*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	
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## INFORMATION DISCLOSURE CITATION

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Applicants Marco ROMAGNOLI et al.	
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FOREIGN PATENT DOCUMENTS							
		Document Number	Publication Date	Country	Class	Sub Class	Translation Yes or No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
	JOHNSON, S. G. et al.; "Guided Modes In Photonic Crystal Slabs"; Physical Review B, Vol. 60, No. 8, pages 5751-5758, (August 15, 1999).
	CHOW, E. et al.; "Three-Dimensional Control Of Light In A Two-Dimensional Photonic Crystal Slab"; Nature, Vol. 407, No. 6807, pages 983-986, (October 26, 2000).
	JOHNSON, S. G. et al.; "Elimination Of Cross Talk In Waveguide Intersections"; Optical Society of America, Optics Letters, Vol. 23, No. 23, pages 1855-1857, (December 1, 1998).

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